



GP/651

# 8

Docket No.: 13232 US1 (C38435/128425)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED

In re Application of :  
Dirk KOSTREWA, *et al.*

JUN 19 2002

Serial No.: 10/062,848

Examiner: Not yet assigned TECH CENTER 1600/2900

Filed: February 1, 2002

Art Unit: 1651

For: **MODIFIED PHYTASES**

New York, New York  
May 29, 2002

**INFORMATION DISCLOSURE STATEMENT UNDER RULE 1.56**

Commissioner for Patents  
Washington, DC 20231

Sir:

Applicants wish to make of record the following documents (Form PTO-1449 is enclosed). Copies of these documents are not being submitted herewith, because each was made of record in Parent Application Serial No. 09/044,718, filed March 19, 1998, to which the present application claims benefit under 35 USC §120. *See*, 37 CFR 1.98(d). A copy of Document C41 (i.e., the English language summary of Document C13) is being provided herewith as a separate document.

**U.S. PATENT DOCUMENTS**

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 B5 EP 0 619 369 A1  
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 B10 EP 0 897 985 A2  
 B11 WO 91/14773  
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- C3 Lambrechts, *et al.*, "Utilization Of Phytate By Some Yeasts," Biotech. Lett., Vol. 14, pp. 61-66 (1992)
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- C7 Kraulis, "MOLSCRIPT: a Program to Produce Both Detailed and Schematic Plots of Protein Structures," J. Appl. Cryst., Vol. 24, pp. 946-950 (1991)
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- C21 Janecek, "Strategies for Obtaining Stable Enzymes," Process Biochem., Vol. 28, pp. 435-445 (1993)
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- C28 Steipe, *et al.*, "Sequence Statistics Reliably Predict Stabilizing Mutations in a Protein Domain," J. Mol. Biol., Vol. 240, pp. 188-192 (1994)

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- C30 Lee, *et al.*, "Generation of cDNA Probes Directed by Amino Acid Sequence: Cloning of Urate Oxidase," Science, Vol. 239, pp. 1288-1291 (1988)
- C31 Conneely, "From DNA to Feed Conversion: Using Biotechnology to Improve Enzyme Yields and Livestock Performance," Biotechnology in the Feed Industry, T.P. Lyons (ed.), Alltech Technical Publications: Nicholasville, KY, pp. 57-66 (1992)
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- C37 Pen, *et al.*, "Phytase-Containing Transgenic Seeds as a Novel feed Additive for Improved Phosphorous Utilization," Bio/Technology, Vol. 11, pp. 811-814 (1993)
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- C39 Shieh, *et al.*, "Survey of Microorganisms for the Production of Extracellular Phytase," Appl. Microbiol., Vol. 16, No. 9, pp. 1348-1351 (1968)
- C40 Ullah, *et al.*, "Identification of Active-Site Residues in *Aspergillus ficuum* Extracellular pH 2.5 Optimum Acid Phosphatase," Biochemical and Biophysical Research Communications, Vol. 192, No. 2, pp. 754-759 (1993).
- C41 English Summary of Schoner, *et al.*, "Vergleich der effekte von mikrobieller Phytase und anorganischem Phosphat auf die Leistungen und die Retention von Phosphor, Calcium und Rohasche bei Masthühnerküken in der Anfangsmast," J. Anim. Physiol. a. Anim. Nutr., Vol. 66, pp. 248-255 (1991)

Applicants request that these documents be considered by the Examiner before issuance of a first office action on the merits and made of record in this file. The Examiner is

also asked to initial and return a copy of the enclosed PTO-1449 form to evidence such consideration.

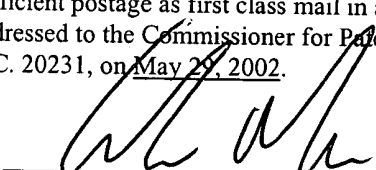
Document C13 above is not in English. However, an English language summary is being provided as Document C41.

This Information Disclosure Statement is being filed in accordance with the following provisions:

[x] 37 CFR § 1.97(b)(3) To the best of the undersigned's knowledge, before the mailing date of a first Office Action on the merits. No fee is required.

If it is determined that a fee is required as set forth in 37 CFR § 1.17(p) or 1.17(i)(1), or if any additional fees are required, please charge such fee (or credit any overpayment) to Deposit Account No. 02-4467. A duplicate copy of this document is enclosed.

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the Commissioner for Patents, Washington, D.C. 20231, on May 29, 2002.

  
Gonzalo Merino, Reg. No. 51,192

Respectfully submitted,

By: 

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Form PTO-1449  
(Rev. )U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

13231 US1 (C38435/128425)

SERIAL NO.

10/062,848

INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

(Use several sheets if necessary)

APPLICANT

Dirk KOSTREWA, et al.

FILING DATE

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	B11	WO 91/14773	10/1991	PCT				

EXAMINER

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	B14	WO 95/00662	1/1995	PCT				
	B15	WO 98/54980	12/1998	PCT				
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C1	Dox, <i>et al.</i> , "Phytase in Lower Fungi," <u>J. Biol. Chem.</u> , Vol. 10, pp. 183-186 (1911)
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